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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



Semaglutide Main Chain (9-37)

Item No. 40788

CAS Registry No.: 1169630-82-3

Formal Name: L- α -glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L- α -aspartyl-L-valyl-L-seryl-L-seryl-L-tyrosyl-L-leucyl-L- α -glutamylglycyl-L-glutamyl-L-alanyl-L-alanyl-L-lysyl-L- α -glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-tryptophyl-L-leucyl-L-valyl-L-arginylglycyl-L-arginyl-glycine

H—Glu—Gly—Thr—Phe—Thr—Ser—Asp—Val—Ser—Ser—

Tyr—Leu—Glu—Gly—Gln—Ala—Ala—Lys—Glu—Phe—

Ile—Ala—Trp—Leu—Val—Arg—Gly—Arg—Gly—OH

Synonyms: Semaglutide Intermediate 29, Semapeptide

Peptide Sequence: EGTFTSDVSSYLEGQAAKEFIAWLVRGRG-OH

MF: $C_{142}H_{216}N_{38}O_{45}$

FW: 3,175.5

Purity: $\geq 98\%$

Supplied as: A solid

Storage: -20°C

Stability: ≥ 4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Semaglutide main chain (9-37) is supplied as a solid. A stock solution may be made by dissolving the semaglutide main chain (9-37) in the solvent of choice, which should be purged with an inert gas. Semaglutide main chain (9-37) is slightly soluble (0.1-1 mg/ml) in acetonitrile.

Semaglutide main chain (9-37) is slightly soluble (0.1-1 mg/ml) in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Description

Semaglutide main chain (9-37) is a peptide starting material in the synthesis of semaglutide (Item Nos. 40231 | 29969 | 40170).^{1,2}

References

1. Lau, J., Bloch, P., Schäffer, L., *et al.* Discovery of the once-weekly glucagon-like peptide-1 (GLP-1) analogue semaglutide. *J. Med. Chem.* **58**(18), 7370-7380 (2015).
2. Zhang, J., Dong, Y., He, Y., *et al.* Efficient synthesis of Aib8 -Arg34 -GLP-1 (7-37) by liquid-phase fragment condensation. *J. Pept. Sci.* **28**(9), e3407 (2022).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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